

**RESPONSE**

**U.S. Appln. No. 09/380,579**

**IN THE CLAIMS:**

This listing of claims will replace all prior versions and listings of claims in the application:

**LISTING OF CLAIMS:**

Claims 1-8. (Cancelled).

Claim 9. (Previously Presented) A method of inducing immunological tolerance in an organ transplantation recipient which comprises the steps of:

(a) prior to organ transplantation from a graft donor, subjecting the recipient to total body irradiation using a sublethal radiation dose of at least 6.5 Gy, and thereafter,

(b) administering to the recipient a tolerogen effective amount of whole bone marrow cells from said graft donor by hepatic portal venous administration, and thereafter,

(c) transplanting an organ from said graft donor into said recipient, to thereby achieve an engraftment rate of 100%,

wherein said subjecting the recipient in step (a) is performed one day prior to said administering of whole bone marrow cells in step (b); and

wherein said transplanting an organ in step (c) occurs within the same day as said administering of whole bone marrow cells in step (b).

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Claim 10. (Previously Presented) The method according to Claim 9, wherein said sublethal radiation dose is 6.5 Gy to 7.0 Gy.

Claims 11-12. (Cancelled).